REMARKS/ARGUMENTS

1.)   Claim Amendments

Applicant respectfully submits no new matter has been added. Accordingly, Claims 1-30 are pending in the application. Favorable reconsideration of the application is respectfully requested in view of the foregoing amendments and the following remarks.

2.)   Claim Rejections – 35 U.S.C. § 103 (a)

The Examiner rejected claims 1, 9, 17, and 25 under 35 U.S.C. § 103(a) as being unpatentable over Hariguchi (USPN 6,181,698) in view of Ramasubramani et al. (US 6,507,589). The Applicant once again respectfully traverses the Examiner's rejection and seeks the Examiner's favorable reconsideration in view of the following remarks.

As fully disclosed and claimed in the present application, the present invention claims a routing system with a two-tier look-up process involving two different repositories. As recited in independent Claim 1, in response to receiving a message, the present invention performs the step of "requesting a destination address for the function instance from **a local repository**." Whenever the destination address provided by the local repository is local, the message is then sent to the identified function instance. Moreover, in the event the destination address is remote, the present invention then performs the step of "packaging the message with the destination address and sends the packaged message to the function instance." However, in the event the <u>destination address is not provided by the local repository</u>, the present invention then requests the destination from a "**remote repository**". The present invention then packages the message with the requested destination address and sends the package to the identified function instance.

The Applicant submits that the recited steps of first requesting a destination address from <u>a local repository</u> and then subsequently requesting the destination address from <u>a remote repository</u> are not anticipated or rendered obvious by the Hariguchi reference. In that regard, the Examiner incorrectly cited certain portions of the Hariguchi reference (Col. 1, lines 45-50, Col. 9, lines 46-57, and Col. 13, lines 40-

49) as allegedly disclosing the recited steps. However, the Applicant submits that Col. 1, lines 45-50 of the Hariguchi reference merely discloses using a table (or tables) to find routes in IP routing and is silent on the use of a local repository and a remote repository as claimed in the present invention. Col. 9, lines 46-57 of Hariguchi discloses a content addressable memory (CAM) cell in making bit comparisons (Fig. 2 of Hariguchi) and has nothing to do with the recited steps of the present application. Lastly, Col. 13, lines 40-49 of the Hariguchi reference describes a data structure of a message wherein the "IP address" field is set to the next router's IP address (next hop) if the route is an indirect route or to "0" if the route is a direct route. However, setting routing address to 0 or not as disclosed in this portion of the Hariguchi reference again has nothing to with the two-tier table lookup system disclosed and claimed in the present application.
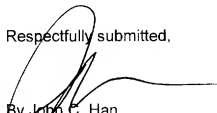
The Applicant further submits that the newly cited Ramasubramani generally discusses routing messages within a wireless communication network and does not, independently or in combination with Hariguchi, discloses or teaches each and every step as claimed in independent Claim 1.

CONCLUSION

In view of the foregoing remarks, the Applicant believes all of the claims currently pending in the Application to be in a condition for allowance. The Applicant, therefore, respectfully requests that the Examiner withdraw all rejections and issue a Notice of Allowance for all pending claims.

The Applicant requests a telephonic interview if the Examiner has any questions or requires any additional information that would further or expedite the prosecution of the Application.

Respectfully submitted,

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Date: May 25, 2006

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